DECLARATION AND POWER OF ATTORNEY

U.S.A.

As a below-named inventor, I hereby declare: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled <u>DATA COMPRESSING</u>

DEVICE AND METHOD, DATA EXPANDING DEVICE AND METHOD, DATA COMPRESSING

SYSTEM AND METHOD, CODE BOOK MAKING METHOD, AND VECTOR QUANTIZING DEVICE AND METHO

[] is attached hereto.

was filed of pr. 19, 1999 as application Serial No. 1999/02049, and was amended

(if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims as amended by any amendment referred to above, and acknowledge a duty to disclose information which is material to the examination of this application under 37 CFR 1.56(a). I hereby claim priority benefits under 35 U.S.C. §119 based on any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate on the present invention, filed before the application(s) in which priority is claimed.

I	FOREIGN APPLICATION(S), I	F ANY, REFERRED TO ABO	VE
COUNTRY	APPLICATION NO.	DATE	PRIORITY CLAIMED
JAPAN	10–124284	April 17, 1998-	YES X NO
JAPAN	10–124286	April 17, 1998 -	
JAPAN	10-208364	July 23, 1998	YES X NO
JAPAN	10-208366	July 23, 1998	
JAPAN	10-305336	October 27, 1998	YES X NO
JAPAN	11- 67086	March 12, 1999	

Thereby claim benefit under 35 U.S.C. §120 of any U.S. application(s) listed below. If the subject matter of any claim(s) of this application is not disclosed in the prior U.S. application(s) as required by paragraph one of 35 U.S.C. §112, I acknowledge a duty to disclose material information as defined in 37 CFR 1.56(a) regarding occurrences between the filing date of the prior application(s) and the national or PCT international filing date of this application.

SERIAL NUMBER	FILING DATE	STATUS

I hereby appoint Elliott I. Pollock, RN (Registration No.) 16,906; George Vande Sande, RN 17,276; Robert R. Priddy, RN 20,169; Burton A. Amernick, RN 24,852; Stanley B. Green, RN 24,351; Richard Wiener, RN 18,741; Townsend M. Belser, Jr., RN 22,956; Morris Liss, RN 24,510; Martin Abramson, RN 25,787; George R. Pettit, RN 27,369; Louis Woo, RN 31,730; Elzbieta Chlopecka, RN 32,767; and Eric Franklin, RN 37,134, my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all communications to Pollock, Vande Sande & Priddy, P.O. Box 19088. Washington, D. C. 20036-3425.

All statements made herein of my own knowledge are true. All statements made on information and belief are believed to be true. These statements were made with the knowledge that willful false statements and the like so made are punishable by fine, imprisonment, or both, under 18 U.S.C. 1001 and may jeopardize the validity of the application or any patent issuing thereon.

Note:

Please sign one full given name and your surname, using initials where appropriate for other names. It is important that the name be consistent throughout the application papers. Signing of an application more than five weeks prior to filing or an undated application is not acceptable to the Patent and Trademark Office except for receiving an initial filing date.

Full name of inventor	Tadahiro OHMI	Date November 16, 2000
Inventor's signature	Sade to Olymi/	
Residence	Miyaqi SYX	
Citizenship	Japan –	
Post Office Address	1-17-301, Komegabukuro 2-chome, Aoba-ku,	Sendai-shi, Miyagi
	980-0813 JAPAN	•
2. Full name of inventor	Koji KOTANI	DateNovember 16, 2000
Inventor's signature	York Kotah	
Residence	Chilba 30X	
Citizenship	Japan	

Inagekaigan 5-chome, Mihama-ku, Chiba-shi,

261-0005 JAPAN

R See additional page for additional inventors, if checked.

5-2-206,

Post Office Address

نسد	***	alama arawana	
33-0	Full name of inventor	Akira NAKADA.	Date: November 16,
	Inventor's signature	We some hastenda	
	Residence	Tokyo SPX	
	Citizenship	Japan	
	Post Office Address	12-5, Kahei 2-chome, Adachi-ku, Tokyo 12	21-0055 JAPAN
4	Full name of inventor	Makoto IMAI	Date:November 16,
70		an 1+1.	Date: Novamber 107
•	Inventor's signature	Makoro mai	
	Residence	Miýagi SPX	
	Citizenship	Japan	1 1 1 1 2 1
	Post Office Address	c/o TOHOKU UNIVERSITY, Aza-Aoba 05, Aram	aki, Aoba-ku, Sendai-s
E-15	OFull name of inventor	Miyagi 980-8579 JAPAN Masahiro KONDA	Date:November 16,
<i>ر</i>		. 1 1/ 1	1010100
) - (;	Inventor's signature	Masshiro Kinda	
	Residence	Miyagi	
	Citizenship	Japan	-1-1 3-1-1 C 3 1
`	Post Office Address	c/o TOHOKU UNIVERSITY, Aza-Aoba 05, Aram	<u>aki, Aoba-ku, Sendai-s</u>
4	Æll nama of i	Miyagi 980-8579 JAPAN Tatsuo MORIMOTO	Day-Morrombon 16
07	Full name of inventor	TOT DIMENSION TO	Date November 16,
	Inventor's signature	_ Tatano Morimoto-	
	Residence	Miyagi SXX	
	Citizenship	Japan /	
in In	Post Office Address	c/o TOHOKU UNIVERSITY, Aza-Aoba 05, Aram	aki. Aoba-ku. Sendai-s
	_ oo. o.moo naaroo	Miyagi 980-8579 JAPAN	
اميا اسيار	Full name of inventor	Takemi_YONEZAWA	Date:November 16,
4.11 	Inventor's signature	Jakemi Yoneyawa	
إعا	Residence	Miyagi	
ļ.Ų	Citizenship	Japan _ HOX	
	Post Office Address	c/o TOHOKU UNIVERSITY, Aza-Aoba 05, Aram	aki, Aoba-ku, Sendai-s
À ,	·00	Miyagi 980-8579 JAPAN	
71	Ull name of inventor	Toshiyuki NOZAWA	Date November 16,
-4		~	•
٠.	Inventor's signature	dashiyuki Mozawa	
;- <u>-</u> -	Residence	Innan	
	Citizenship	Japan	alai nala- la G 3
1==f	Post Office Address	c/o TOHOKU UNIVERSITY, Aza-Aoba 05, Aram	<u>akı, Aoba-ku, Sendai-s</u>
0-1	Dull name of inventor	Miyagi 980-8579 JAPAN Takabiro NAKAYAMA	DateNovember 16,
10	J - wil maine or mivemor	41	DateMOVERIMET 10
	Inventor's signature	Jopahino Nakagana	
	Residence	Miyagi SPX	
	Citizenship	Japan	
	Post Office Address	c/o TOHOKU UNIVERSITY, Aza-Aoba 05, Aram	akı, Aoba-ku, Sendai-s
۔ ما	Toull no ere a fill it is	Miyagi 980-8579 JAPAN	D. 37
B-0	Full name of inventor	Masanori FUJIBAYASHI \	Date November 16,
	Inventor's signature	# Masanori Fujihayashi	
	Residence	Miyagi SPX	
	Citizenship	Japan	
	Post Office Address	C/O TOHOKU UNIVERSITY, Aza-Aoba 05, Aram	aki. Aoba-ku. Sendai-s
		Miyagi 980-8579 JAPAN	, and the second to
1.15	Full name of inventor	Takahisa NITTA	DateNovember 16,
, 0		Tabahia hillo	
	Inventor's signature		
	Residence	Tokyo SPX	
	Citizenship	Japan / CLEAN CHEAN CONTROL CONTROL	1 / Homes / -1
	Post Office Address	c/o ULTRA CLEAN TECHNOLOGY CORPORATION, Bunkyo-ku, Tokyo 113-0033 JAPAN	1-4, HONGO 4-CNOME,
12.	Full name of inventor		Date:
	Inventor's signature		
	Inventor's signature Residence		
	Citizenship		
	- medianip		
	Post Office Address		